

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2003/001993

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B01D 69/08, D01D 5/24, B01D 71/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B01D, D01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI DATA, EPO-INTERNAL

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0305787 A1 (GAMBRO DIALYSATOREN GMBH & CO. KG), 8 March 1989 (08.03.1989), The whole document	1,2,5-13,16, 23-28
Y		3-4,14-15, 17-22

Y	EP 0082433 A2 (HOECHST AKTIENGESELLSCHAFT), 29 June 1983 (29.06.1983), abstract	3,4

Y	EP 0568045 A1 (KURARAY CO., LTD.), 3 November 1993 (03.11.1993), page 11, line 29 - page 12, line 5; page 7, line 16 - line 18	14,15,17-22

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"B" earlier application or patent but published on or after the international filing date	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

8 March 2004

Date of mailing of the international search report

10-03-2004

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. + 46 8 666 02 86

Authorized officer
Susanna Lindfors/E1s
Telephone No. + 46 8 782 25 00

INTERNATIONAL SEARCH REPORTInternational application No.
PCT/SE 2003/001993**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 9505887 A1 (LEE, PATRICE, ANNE ET AL), 2 March 1995 (02.03.1995), The whole document ---	25

INTERNATIONAL SEARCH REPORT
Information on patent family members

27/02/2004

International application No.	
PCT/SE 2003/001993	

EP	0305787	A1	08/03/1989	DE	3875203	A, T	12/11/1992
				ES	2035194	T	16/04/1993
				JP	1094901	A	13/04/1989
				JP	3047403	B	29/05/2000
				SE	460521	B, C	23/10/1989
				SE	8703367	A	01/03/1989
				US	4935141	A	19/06/1990

EP	0082433	A2	29/06/1983	SE	0082433	T3	
				AU	553450	B	17/07/1986
				AU	9147482	A	23/06/1983
				CA	1225806	A	25/08/1987
				DE	3149976	A	30/06/1983
				DE	3269737	D	00/00/0000
				DK	155422	B, C	10/04/1989
				DK	557882	A	18/06/1983
				ES	518248	A	16/02/1984
				ES	8402509	A	01/05/1984
				FI	72885	B, C	30/04/1987
				FI	824308	A	18/06/1983
				JP	1771033	C	30/06/1993
				JP	2018695	B	26/04/1990
				JP	58104940	A	22/06/1983
				NO	157049	B, C	05/10/1987
				NO	824236	A	20/06/1983
				NZ	202805	A	31/05/1985
				US	4720343	A	19/01/1988
				US	5009824	A	23/04/1991

EP	0568045	A1	03/11/1993	SE	0568045	T3	
				CA	2094749	A, C	30/10/1993
				CN	1032043	B	19/06/1996
				CN	1087841	A	15/06/1994
				DE	69305567	D, T	17/04/1997
				ES	2093310	T	16/12/1996
				GR	3021445	T	31/01/1997
				JP	3117575	B	18/12/2000
				JP	6165926	A	14/06/1994
				RU	2113273	C	20/06/1998
				US	5340480	A	23/08/1994

WO	9505887	A1	02/03/1995	AU	7867994	A	21/03/1995
				US	5571418	A	05/11/1996